



10

<110> Cellomics, Inc.
Busa, William B

<120> Methods and Reagents for Live-cell Gene Expression Quantification

<130> 00-789-A

<140> US 09/965,876

<141> 2001-09-28

<150> US 60/236,407

<151> 2000-09-28

<160> 42

<170> PatentIn version 3.1

<210> 1

<211> 16

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 1

Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
1 5 10 15

<210> 2

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Gly Ala Leu Phe Leu Gly Trp Leu Gly Ala Ala Gly Ser Thr Met Gly
1 5 10 15

Ala Trp Ser Gln Pro Lys Lys Lys Arg Lys Val
20 25

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<400> 3

Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
1 5 10 15

<210> 4

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<400> 4

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Lys Ile Asn Leu Lys
1 5 10 15

Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
20 25

<210> 5

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Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
1 5 10 15

Leu Ala

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<400> 6

Thr Arg Gln Ala Arg Arg Asn Arg Arg Arg Trp Arg Glu Arg Gln
1 5 10 15

Arg

<210> 7
<211> 30
<212> RNA
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<220>
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<400> 7
ggucuggggcg cagcgcaagc ugacgguaca

30

<210> 8
<211> 19
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<220>
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<222> (1)..(1)
<223> x is M or L

<400> 8

Xaa	Asp	Ala	Gln	Thr	Arg	Arg	Arg	Glu	Arg	Arg	Ala	Glu	Lys	Gln	Ala
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Gln Trp Lys

<210> 9
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<222> (1)..(2)
<223> n is g or absent

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<222> (5)..(5)
<223> s is c or g

<220>
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<222> (9)..(11)
<223> s for residues 9-11 is g or c

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<222> (18)..(19)
<223> n for residues 18-19 is C or absent

<400> 9
nngcscugss saagggcnn

19

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<400> 10

Asn	Ala	Lys	Thr	Arg	Arg	His	Glu	Arg	Arg	Arg	Lys	Leu	Ala	Ile	Glu
1				5				10						15	

Arg

<210> 11
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<400> 11
ggugcgcuga caaagcgcg c

21

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Met Pro Lys Thr Arg Arg Arg Pro Arg Arg Ser Gln Arg Lys Arg Pro
1 5 10 15

<210> 13

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<400> 13

gggcgccggu acgcaaguac gacgguacgc ucc

33

<210> 14

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<400> 14

Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln
1 5 10

<210> 15

<211> 16

<212> RNA

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<400> 15

ggccagaucu gagccu

16

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<400> 16

gggagcucuc uggcc

15

<210> 17
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<400> 17 19
acaugaggau uacccaugu

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<400> 18 19
acaugaggau cacccaugu

<210> 19
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<223> synthetic peptide

<400> 19

Ala Leu Gln Lys Lys Leu Glu Glu Leu Glu Leu Asp Glu
1 5 10

<210> 20
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<400> 20

Asp Leu Gln Lys Lys Leu Glu Glu Leu Glu Leu Asp Glu
1 5 10

<210> 21
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Asp Lys Glu Arg Trp Glu Asp Val Lys Glu Glu Met Thr Ser Ala Leu
1 5 10 15

Ala Thr Met Arg Val Asp Tyr Glu
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Trp Asp Arg Thr Phe Ser Leu Phe Gln Gln Leu Leu Gln Ser Ser Phe
1 5 10 15

Val Val Glu

<210> 23

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<400> 23

Leu Pro Pro Leu Glu Arg Leu Thr Leu
1 5

<210> 24

<211> 10

<212> PRT

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<223> synthetic peptide

<400> 24

Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile
1 5 10

<210> 25
<211> 10
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<400> 25

Leu Gln Gln Gln Leu Gly Gln Leu Thr Leu
1 5 10

<210> 26
<211> 10
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<220>
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<400> 26

Leu Glu Ser Asn Leu Arg Glu Leu Gln Ile
1 5 10

<210> 27
<211> 10
<212> PRT
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<220>
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<400> 27

Leu Asp Lys Leu Ser Val Leu Thr Leu Ser
1 5 10

<210> 28
<211> 11
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<400> 28

Leu Trp Gln Phe Leu Leu Gln Leu Leu Leu Asp
1 5 10

<210> 29
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<400> 29

Leu Cys Gln Ala Phe Ser Lys Val Ile Leu Ala
1 5 10

<210> 30
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<223> x is any amino acid

<220>
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<222> (8)..(8)
<223> x is any amino acid

<400> 30

Xaa Xaa Xaa Leu Xaa Xaa Leu Xaa Leu
1 5

<210> 31
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<400> 31

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys Ala Ala Asn Lys Gly
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<210> 32
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<400> 32

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys Ala Ala Asn Lys
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<210> 33
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<220>
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<400> 33

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys

<210> 34
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<400> 34

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys Ala
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<210> 35
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<400> 35

Met	Asp	Ala	Gln	Thr	Arg	Arg	Arg	Glu	Arg	Arg	Ala	Glu	Lys	Gln	Ala
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Gln Trp Lys Ala Ala
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<400> 36

Met	Asp	Ala	Gln	Thr	Arg	Arg	Arg	Glu	Arg	Arg	Ala	Glu	Lys	Gln	Ala
1				5				10						15	

Gln Trp Lys Ala Ala Asn
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<210> 37
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<220>
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<400> 37

Leu	Asp	Ala	Gln	Thr	Arg	Arg	Arg	Glu	Arg	Arg	Ala	Glu	Lys	Gln	Ala
1				5				10						15	

Gln Trp Lys Ala Ala Asn Lys Gly
20

<210> 38
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<400> 38

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys Ala Ala Asn Lys
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<210> 39
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<220>
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<400> 39

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys

<210> 40
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<400> 40

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys Ala
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<210> 41

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<400> 41

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys Ala Ala
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<210> 42
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<220>
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<400> 42

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala
1 5 10 15

Gln Trp Lys Ala Ala Asn
20